

Message

From: Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]
Sent: 6/1/2020 6:50:43 PM
To: Reinhart, Roger [Reinhart.Roger@epa.gov]; Wilson, Jennifer [wilson.jenniferA@epa.gov]; Braverman, Carole [braverman.carole@epa.gov]; Poeske, Regina [Poeske.Regina@epa.gov]; Konfirst, Matthew [konfirst.matthew@epa.gov]; Rowsey, Kevin [rowsey.kevin@epa.gov]
CC: Lanier, Sarah [Lanier.Sarah@epa.gov]; Pilant, Drew [Pilant.Drew@epa.gov]; Washington, John [Washington.John@epa.gov]; Evich, Marina [evich.marina@epa.gov]; Stanek, Lindsay [Stanek.Lindsay@epa.gov]; Cantu, Theresa [Cantu.Theresa@epa.gov]; McMoran, Devon [McMoran.Devon@epa.gov]
Subject: RE: Draft R3&R5 RARE Sampling Plan
Attachments: WVDAQ Report #1_TA_MM5 Train Samples_FINAL12May2020.pdf; WVDAQ Report #2_NTA_MM5 Train Samples_FINAL_12May2020.pdf

Roger,

Thank you very much for the analysis and comments on the draft sampling plan for the RARE project. We need to meet to discuss these and other comments.

I'd like to ask everyone to take a look at the two stack sampling reports attached above from a recent ORD measurement study conducted at the Parkersburg facility. The most interesting of these may be Report # 2 which is a nontargeted analysis using high resolution mass spectrometry. This report has characterizes a range of previously unobserved PFAS in stack emissions from this facility. While PFOA and GenX are clearly extremely important, these reports make it clear that additional PFAS may be found in environmental media in this area. This RARE project will include a nontargeted assessment of selected samples and media to evaluate a broader range of PFAS than has been accomplished previously.

The draft study plan is ambitious and likely to be made even more challenging by the complications from the coronavirus situation. We will need to have assistance from the various state entities and their interests and needs will have to be represented in the final plan.

Thank you very much,

Andy

From: Reinhart, Roger <Reinhart.Roger@epa.gov>
Sent: Monday, June 1, 2020 11:45 AM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>; Braverman, Carole <braverman.carole@epa.gov>; Poeske, Regina <Poeske.Regina@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>; Rowsey, Kevin <rowsey.kevin@epa.gov>
Cc: Lanier, Sarah <Lanier.Sarah@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Washington, John <Washington.John@epa.gov>; Evich, Marina <evich.marina@epa.gov>; Stanek, Lindsay <Stanek.Lindsay@epa.gov>; Cantu, Theresa <Cantu.Theresa@epa.gov>; McMoran, Devon <McMoran.Devon@epa.gov>
Subject: RE: Draft R3&R5 RARE Sampling Plan

Good morning Andy and others,

Thank you for sharing the draft work plan with us. Jenny Wilson and I discussed the plan last Friday and agree on the following comments. The plan is quite comprehensive and addresses an assortment of issues. My biggest concern is that Ex. 5 Deliberative Process (DP) The plan addresses sampling of ground water, surface water, soil and vegetation in the vicinity of Washington Works. There has

been a abundance of data already generated under the EPA SDWA Orders and other efforts for PFOA and GenX in the ground water. We believe: Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

The plan also calls for sampling some smaller PWSs which were not tested under the UCMR3. Most of the PWSs, large and small within the Washington Works vicinity have already been tested for PFOA – probably not for GenX. Jenny informed me that: Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP) Also, I believe Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

The plan also proposes to sample landfills and sewage sludge disposal sites. Ground water in the vicinity of the landfills known to have received PFOA wastes has been sampled. These include the Letart, Local and Dry Run landfills in West Virginia. It is possible that: Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

don't believe this has been studied in the past.

That's the extent of my comments at this time. Please contact me if you have any questions. I look forward discussing the work plan more with everyone in the near future. Thanks.

Roger Reinhart; 215-814-5462

From: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>

Sent: Monday, June 01, 2020 9:43 AM

To: Wilson, Jennifer <wilson.jenniferA@epa.gov>; Braverman, Carole <braverman.carole@epa.gov>; Poeske, Regina <Poeske.Regina@epa.gov>; Reinhart, Roger <Reinhart.Roger@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>; Rowsey, Kevin <rowsey.kevin@epa.gov>

Cc: Lanier, Sarah <Lanier.Sarah@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Washington, John <Washington.John@epa.gov>; Evich, Marina <evich.marina@epa.gov>; Stanek, Lindsay <Stanek.Lindsay@epa.gov>; Cantu, Theresa <Cantu.Theresa@epa.gov>; McMoran, Devon <McMoran.Devon@epa.gov>

Subject: RE: Draft R3&R5 RARE Sampling Plan

All,

I hope everyone is doing well.

I'd like to set up one or two meeting to discuss ongoing efforts with the R3&R5 PFOA/GenX RARE project.

One item we need to cover is the draft sampling plan that we sent out on May 15 (also attached above). It would be good to go over the proposed work in this outline and to discuss what we need to be doing to keep the project on track. Given the current work situation this is going to be a challenge, but I think we need to be planning for a resumption of "normal" activities sometime in the future.

The other item that we need to discuss is the evaluation of the existing Chemours PFOA data with the aims of producing a peer-reviewed manuscript and briefings for EPA program staff and other interested entities.

I'd appreciate it if Jenny and Regina would give us some advice or assistance on when to schedule these discussions.

Thank you very much,

Andy

From: Lindstrom, Andrew

Sent: Friday, May 15, 2020 10:05 AM

To: Wilson, Jennifer <wilson.jenniferA@epa.gov>; Braverman, Carole <braverman.carole@epa.gov>; Poeske, Regina <Poeske.Regina@epa.gov>; Reinhart, Roger <Reinhart.Roger@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>; Rowsey, Kevin <rowsey.kevin@epa.gov>

Cc: Lanier, Sarah <Lanier.Sarah@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Tadesse, Haile <tadesse.haile@epa.gov>; Washington, John <Washington.John@epa.gov>; Evich, Marina <evich.marina@epa.gov>; Stanek, Lindsay <Stanek.Lindsay@epa.gov>; T.C. Guillette <guillettetc@gmail.com>

Subject: Draft R3&R5 RARE Sampling Plan

All,

After a great deal of creative work by Sarah Lanier and the GeoPFAS Team, we're able to share the draft RARE study plan attached above.

In summary, this document outlines

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

This draft plan also provides a link to the story map created by Sarah to provide as much detailed information as possible about each of the proposed sampling sites and the objectives we hope to meet:

Ex. 6 Personal Privacy (PP) Internal URL

We'd greatly appreciate it if you would please use these two resources together to evaluate this proposal and provide comments to us by June 1. Sometime after that we can have a meeting to discuss the comments and make plans for how to proceed with the project.

Thank you all very much,

Andy